

WHAT IS CLAIMED IS:

1. A rear-project video assembly with a foldable reflector,
comprising:

- a housing;
- 5 a screen mounted in a first side of the housing;
- a reflector having one side pivotally connected to a second
side of the housing for reflecting image to the screen;
- an overhead projector mounted on a bottom of the housing for
projecting image to the reflector;
- 10 a drive device mounted between the screen and the reflector
for expanding the reflector when using the reflector and backward
moving the reflector after using the reflector to reduce the volume of
the rear-project video assembly; and
- a bellows mounted between the peripheries of the second
15 side of the housing and the reflector to prevent the foreign matter and
the light ray from entering the housing.

2. The rear-project video assembly as claimed in claim 1,
wherein the overhead projector comprises:

- a body;
- 20 a stand having a first end secured on the bottom of the
housing and a second end connected to the body for supporting the
body; and
- a lens mounted on the body and facing the reflector for

projecting image to the reflector when the reflector is expanded.

3. The rear-project video assembly as claimed in claim 1,
wherein the housing comprises an opening defined in the second side of
the housing and having a size slightly smaller than that of the reflector
5 such that the reflector can be moved and received in the housing after
being used, and the reflector having one side pivotally connected to a
top of the housing and corresponding the opening.

4. The rear-project video assembly as claimed in claim 1,
wherein the drive device comprises:

10 a motor with one end pivotally connected to the first side of
the housing; and

a telescope shaft having a first end connected to the motor
and a second end pivotally connected to the reflector, the motor driving
the telescope shaft to reciprocally move the reflector.

15 5. The rear-project video assembly as claimed in claim 1 further
comprising multiple rollers mounted on a bottom of the housing for
easily moving the housing.

6. The rear-project video assembly as claimed in claim 2,
wherein the housing comprises an opening defined in the second side of
20 the housing and having a size slightly smaller than that of the reflector
such that the reflector can be moved and received in the housing after
being used, and the reflector having one side pivotally connected to a
top of the housing and corresponding the opening.

7. The rear-project video assembly as claimed in claim 2,
wherein the drive device comprises:

a motor with one end pivotally connected to the first side of
the housing; and

5 a telescope shaft having a first end connected to the motor and a
second end pivotally connected to the reflector, the motor driving the
telescope shaft to reciprocally move the reflector.

8. The rear-project video assembly as claimed in claim 2 further
comprising multiple rollers amounted on a bottom of the housing for
10 easily moving the housing.

9. The rear-project video assembly as claimed in claim 3,
wherein the drive device comprises:

a motor with one end pivotally connected to the first side of
the housing; and

15 a telescope shaft having a first end connected to the motor and a
second end pivotally connected to the reflector, the motor driving the
telescope shaft to reciprocally move the reflector.

10. The rear-project video assembly as claimed in claim 3
further comprising multiple rollers amounted on a bottom of the
20 housing for easily moving the housing.

11. The rear-project video assembly as claimed in claim 4
further comprising multiple rollers amounted on a bottom of the
housing for easily moving the housing.